(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 26 May 2006 (26.05.2006)

(10) International Publication Number WO 2006/054796 A1

- (51) International Patent Classification: *B41,J 11/00* (2006.01) *B41,J 2/17* (2006.01)
- (21) International Application Number:

PCT/JP2005/021634

(22) International Filing Date:

18 November 2005 (18.11.2005)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

2004-336365

55 19 November 2004 (19.11.2004) JI

- (71) Applicant (for all designated States except US): CANON KABUSHIKI KAISHA [JP/JP]; 3-30-2, Shimomaruko, Ohta-ku, Tokyo, 1468501 (JP).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): NAKAZAWA, Koichiro [JP/JP]; c/o CANON KABUSHIKI KAISHA, 3-30-2, Shimomaruko, Ohta-ku, Tokyo, 1468501 (JP). YAMAGUCHI, Nobuhito [JP/JP]; c/o CANON KABUSHIKI KAISHA, 3-30-2, Shimomaruko, Ohta-ku, Tokyo, 1468501 (JP). ISHIKAWA, Takuei [JP/JP]; c/o CANON KABUSHIKI KAISHA, 3-30-2, Shimomaruko, Ohta-ku, Tokyo, 1468501 (JP).

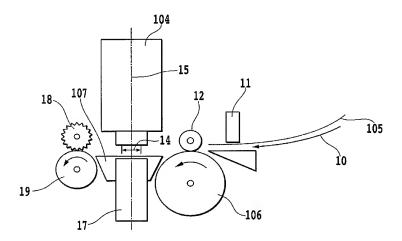
- (74) Agents: TANI, Yoshikazu et al.; 6-20, Akasaka 2-chome, Minato-ku, Tokyo, 1070052 (JP).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

[Continued on next page]

(54) Title: INK JET PRINTING APPARATUS, METHOD OF MANUFACTURING INK ABSORBER, AND INK ABSORBER



(57) Abstract: An ink jet printing apparatus is provided in which ink absorbers (17), capable of performing their function to the fullest extent to quickly absorb an ink that tends to coagulate, are installed to prevent an interior of the printing apparatus and the back of a print medium (105) from being contaminated. To this end, the printing apparatus has an ink absorber (17) that contains a coagulation inhibitor capable of inhibiting the coagulation of colorant contained in the ink. This arrangement inhibits the coagulation of the colorant on the surface or in the interior of the absorber, allowing the colorant to be absorbed quickly and uniformly into the interior of the absorber. Therefore, problems caused by a deposition of the colorant on the surface of the absorber or by a degraded absorbing capability can be alleviated, thus keeping the image output in good condition.

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.